

Appl. No.: 10/644,543

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AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in this application.

1. (Currently Amended) An apparatus for simulating processing of eyeglass lenses, comprising:

operation control means for receiving lens mold contour data and a lens prescription value, and for obtaining a contour of an eyeglass lens based on the received lens mold contour data and the lens prescription value; and

display means for displaying the contour of eyeglass lens obtained by said operation control means; wherein

said operation control means ~~displays a chamfering contour~~ is configured to enable optional specification of a chamfering location and a chamfering contour of an end portion of an edge of the eyeglass lens on said display means, ~~and said operation control means is set to be capable of specifying a chamfering location of the chamfering contour.~~

2. (Original) The apparatus for simulating processing of eyeglass lenses according to claim 1, wherein

the chamfering contour is introduced to an edge thickness image of the eyeglass lens.

3. (Original) The apparatus for simulating processing of eyeglass lenses according to claim 1, wherein

said operation control means displays the chamfering location and the chamfering contour on said display means based on location specified by a cursor of a mouse.

4. (Original) The apparatus for simulating processing of eyeglass lenses according to claim 2, wherein

said operation control means displays the chamfering location and the chamfering contour on said display means based on location specified by a cursor of a mouse.

5. (Original) The apparatus for simulating processing of eyeglass lenses according to claim 3, wherein

said operation control means displays a straight chamfering contour which is based on optional two locations P1 and P2 that are specified by the cursor of the mouse on said display means.

6. (Original) The apparatus for simulating processing of eyeglass lenses according to claim 4, wherein

said operation control means displays a straight chamfering contour which is based on optional two locations P1 and P2 that are specified by the cursor of the mouse on said display means.

7. (Original) The apparatus for simulating processing of eyeglass lenses according to claim 5, wherein

said operation control means displays a chamfering contour of the location P2 which is specified by the cursor of the mouse on said display means by curving the chamfering contour of the location P2.

8. (Original) The apparatus for simulating processing of eyeglass lenses according to claim 6, wherein

said operation control means displays a chamfering contour of the location P2 which is specified by the cursor of the mouse on said display means by curving the chamfering contour of the location P2.

9. (Original) The apparatus for simulating processing of eyeglass lenses according to claim 7, wherein

said operation control means displays curvature of the curved chamfering contour at the location P2 by expanding or reducing said curvature on said display means by moving the location P2 which is specified by the cursor of the mouse with clicking of the mouse.

10. (Original) The apparatus for simulating processing of eyeglass lenses according to claim 8, wherein

said operation control means displays curvature of the curved chamfering contour at the location P2 by expanding or reducing said curvature on said display means by moving the location P2 which is specified by the cursor of the mouse with clicking of the mouse.

11. (New) An apparatus for simulating processing of eyeglass lenses, comprising:

an operation controller configured to receive lens mold contour data and a lens prescription value, and to obtain a contour of an eyeglass lens based on the received lens mold contour data and the lens prescription value;

a means configured to optionally specify at least two chamfering locations of an end portion of an edge of the eyeglass lens and to optionally specify a chamfering contour in a line connecting said at least two chamfering locations optionally specified in the end portion of the edge of the eyeglass lens; and

a display configured to display the contour of the eyeglass lens obtained by the operation controller, and to display said at least two chamfering locations and the chamfering contour optionally specified.

12. (New) The apparatus for simulating processing of eyeglass lenses according to claim 11, wherein the chamfering contour is located in an edge thickness image of the eyeglass lens.

13. (New) The apparatus for simulating processing of eyeglass lenses according to claim 11, wherein the means is a cursor of a mouse, and the operation controller displays said at least two chamfering locations and the chamfering contour optionally specified by the cursor of the mouse on the display.

14. (New) The apparatus for simulating processing of eyeglass lenses according to claim 12, wherein the means is a cursor of a mouse, and the operation controller displays said at least two chamfering locations and the chamfering contour optionally specified by the cursor of the mouse on the display.

15. (New) The apparatus for simulating processing of eyeglass lenses according to claim 13, wherein the operation controller displays a straight chamfering contour based on said optional at least two chamfering locations specified by the cursor of the mouse on the display.

16. (New) The apparatus for simulating processing of eyeglass lenses according to claim 14, wherein the operation controller displays a straight chamfering contour based on said optional at least two chamfering locations specified by the cursor of the mouse on the display.

17. (New) The apparatus for simulating processing of eyeglass lenses according to claim 15, wherein the operation controller displays a chamfering contour of one of said optional at least two chamfering locations which is specified by the cursor of the mouse on the display by curving the chamfering contour of said one of said optional at least two chamfering locations.

18. (New) The apparatus for simulating processing of eyeglass lenses according to claim 16, wherein the operation controller displays a chamfering contour of one of said optional at least two chamfering locations which is specified by the cursor of the mouse on the display by curving the chamfering contour of said one of said optional at least two chamfering locations.

19. (New) The apparatus for simulating processing of eyeglass lenses according to claim 17, wherein the operation controller displays curvature of the curved chamfering contour in said one of said optional at least two chamfering locations by expanding or reducing the curvature on the display by moving said one of said optional at least two chamfering locations specified by the cursor of the mouse with clicking of the mouse.

20. (New) The apparatus for simulating processing of eyeglass lenses according to claim 18, wherein the operation controller displays curvature of the curved chamfering contour in said one of said optional at least two chamfering locations by expanding or reducing the curvature on the display by moving said one of said optional at least two chamfering locations specified by the cursor of the mouse with clicking of the mouse.